

1. An improved fluid heating tank comprising:

a fluid heating tank having an inlet and an outlet; and

a baffle assembly positioned over said inlet, said baffle assembly comprising an inner cap positioned over said inlet including a cover having openings therein, an outer cap positioned over said inner cap including a cover and having a flange depending from said cover.

2. The fluid heating tank of claim 1 wherein said flange at least partially surrounds said inner cap.

3. The fluid heating tank of claim 1 wherein said openings are trapezoidal in shape.

4. The fluid heating tank of claim 1 wherein said outer cap is spaced apart from said inner cap.

5. The fluid heating tank of claim 1 wherein said outer cap is generally square in shape.

6. The fluid heating tank of claim 1 wherein said inner cap is generally square in shape.

7. The fluid heating tank of claim 1 wherein said tank is a water heating booster for use with a commercial warewasher.

8. The fluid heating tank of claim 4 wherein said outer cap is spaced apart from said inner cap and supported by a support post.

9. The fluid heating tank of claim 4 wherein said outer cap is supported by brackets depending from a wall of said tank.

Sub
93
Wrt

10. An improved water heating booster for use with a commercial warewasher comprising:
a water heating tank having an inlet and an outlet; and
a baffle assembly positioned over said inlet, said baffle assembly comprising a square-shaped inner cap positioned over said inlet including a cover having trapezoidal openings therein,
5 a square-shaped outer cap positioned over and spaced apart from said inner cap by a support post including a cover and having a flange depending from said cover to at least partially surround said inner cap.

11. A method for improving the heating efficiency of a water heating booster for use with a commercial warewasher comprising the steps of:
selecting a fluid heating tank having an inlet and an outlet;
positioning a baffle assembly over said inlet, said baffle assembly comprising an inner cap positioned over said inlet including a cover having openings therein, an outer cap positioned over said inner cap including a cover and having a flange depending from said cover so that
15 water entering said tank is slowed thereby minimizing turbulence in said tank and improving the heating efficiency therein.

12. An improved fluid heating tank comprising:
a fluid heating tank having an inlet and an outlet; and
a baffle assembly, said baffle assembly comprising an outer cap positioned over said inlet and generally perpendicular thereto said outer cap including a water diverting flange depending downwardly therefrom for directing fluid flowing into the tank away from said tank outlet.

13. The fluid heating tank of claim 12 wherein said flange prevents direct fluid flow across the bottom floor of said tank.

Docket No. 006593-01868

14. The fluid heating tank of claim 12 further comprising an inlet pipe at least partially extending into a main plenum of said tank and wherein said flange extends at least partially around said inlet pipe.

15. The fluid heating tank of claim 14 further including an inner cap including perforations therein for helping to control fluid flow into said tank.

16. The fluid heating tank of claim 12 further including an inner cap including perforations therein for helping to control fluid flow into said tank.

006593-01868